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APPLICATION NO. FILING DATE		LING DATE	FIRST NAMED INVENTOR	ATTORNEY	DOCKET NO.	CONFIRMATION NO.	
09/966,968 10/01/2001		10/01/2001	Hoi-Sing Kwok	016660-102 4935		4935	
21839	7590	12/23/2003			EXAMINER		
BURNS DOANE SWECKER & MATHIS L L P					BROCK II, PAUL E		
POST OFFICE BOX 1404 ALEXANDRIA, VA 22313-1404				ART	UNIT	PAPER NUMBER	
	,				315		

DATE MAILED: 12/23/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

•			$\mathcal{M}$						
		Application No.	Applicant(s)						
		09/966,968	KWOK ET AL.						
Office Action Summary		Examiner	Art Unit						
		Paul E Brock II	2815						
Period fo	The MAILING DATE of this communication apport Reply	pears on the cover sh	eet with the correspondence ad	dress					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).  Status									
1)⊠	Responsive to communication(s) filed on 17 C	october 2003.							
2a)⊠	This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Disposit	ion of Claims								
5)□ 6)⊠ 7)□	Claim(s) 1,14,15 and 20 is/are pending in the 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed.  Claim(s) 1,14,15 and 20 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or	wn from consideration							
Applicat	ion Papers								
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on 01 October 2001 is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. §§ 119 and 120									
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.  13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet.  37 CFR 1.78.  a) The translation of the foreign language provisional application has been received.  14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.									
2) Notic	at(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) 🔲 No	erview Summary (PTO-413) Paper No( stice of Informal Patent Application (PTo her:						

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### **DETAILED ACTION**

## **Drawings**

1. The drawing correction filed October 17, 2003 is approved.

## Claim Objections

2. Claim 1 is objected to because of the following informalities: In the 8<sup>th</sup> line of the claim, "the thickness" should be --a thickness--, in the 8<sup>th</sup> line of the claim "the pitch" should be --a pitch--, in the 10<sup>th</sup> line of the claim "the birefringence" should be --a birefringence--.

Appropriate correction is required.

# Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the
  - subject matter which the applicant regards as his invention.
- 4. Claims 1, 14, 15, and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

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5.

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It is not clear from what reference marker the "an angle(s)" are being defined in the input

and output polarizers. What is the reference point from which to measure the angle(s). A point

or position should be defined from which the angles are measured.

Response to Arguments

6. Applicant's arguments, see page 5, lines 16 - 22, and page 6, lines 1 - 11, filed October

17, 2003, with respect to the rejections of claims 1, 14, 15 and 20 under U.S.C section 103 have

been fully considered and are persuasive. The U.S.C. section 103 rejections of claims 1, 14, 15,

and 20 have been withdrawn.

Allowable Subject Matter

7. Claims 1, 14, 15, and 20 would be allowable if rewritten or amended to overcome the

rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

8. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not disclose or suggest at least the limitation of "A bistable liquid

crystal display comprising: a liquid crystal cell having top and bottom alignment layers with

rubbing directions between them that favor a twist angle of ±22±5° to define a first stable state".

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### Conclusion

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9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tanaka et al. and Takiguchi et al. both disclose bistable liquid crystal display devices.

10. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul E Brock II whose telephone number is (703) 308-6236. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the

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organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0956.

Paul E Brock II December 12, 2003

Tom I roms